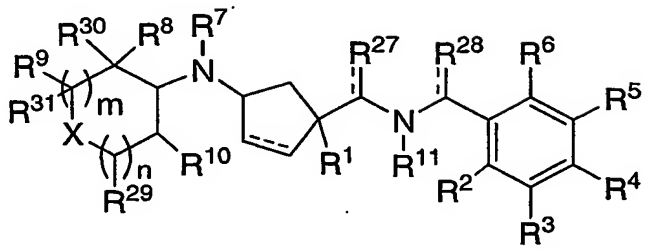
WHAT IS CLAIMED IS:

1. A compound of the formula I:



I

wherein:

X is selected from the group consisting of:

-O-, -NR^{20}-, -S-, -SO-, -SO_2-, and -$CR^{21}R^{22}$-, -NSO_2R^{20}-, -$NCOR^{20}$-, -NCO_2R^{20}-, -$CR^{21}CO_2R^{20}$-, -$CR^{21}OCOR^{20}$-, -CO-, -O-$C(CH_3)_2$-O-,

where R^{20} is selected from: hydrogen, C_{1-6} alkyl, benzyl, phenyl, C_{3-6} cycloalkyl where the alkyl, phenyl, benzyl, and cycloalkyl groups can be unsubstituted or substituted with 1-3 substituents where the substituents are independently selected from: halo, hydroxy, C_{1-3}alkyl, C_{1-3}alkoxy, -CO_2H, -CO_2-C_{1-6} alkyl, and trifluoromethyl,

where R^{21} and R^{22} are independently selected from: hydrogen, hydroxy, C_{1-6} alkyl, -O-C_{1-6}alkyl, benzyl, phenyl, C_{3-6} cycloalkyl where the alkyl, phenyl, benzyl, and cycloalkyl groups can be unsubstituted or substituted with 1-3 substituents where the substituents are independently selected from: halo, hydroxy, C_{1-3}alkyl, C_{1-3}alkoxy, -CO_2H, -CO_2-C_{1-6} alkyl, and trifluoromethyl;

R^1 is selected from:

-C_{1-6}alkyl, -C_{0-6}alkyl-O-C_{1-6}alkyl, -C_{0-6}alkyl-S-C_{1-6}alkyl, -C_{0-6}alkyl-SO_{1-2}-C_{1-6}alkyl, -C_{0-6}alkyl-SO_2-NR^{26}-C_{1-6}alkyl, -(C_{0-6}alkyl)-(C_{3-7}cycloalkyl)-(C_{0-6}alkyl), hydroxy, -CO_2R^{20}, heterocycle, -CN, -$NR^{20}R^{26}$, -$NR^{26}SO_2R^{20}$, -$NR^{26}COR^{21}$, -$OCOR^{20}$, and phenyl,

where R^{26} is selected from: hydrogen, C_{1-6} alkyl, benzyl, phenyl, C_{3-6} cycloalkyl where the alkyl, phenyl, benzyl, and cycloalkyl groups can be unsubstituted or

substituted with 1-3 substituents where the substituents are independently selected from: halo, hydroxy, C_{1-3}alkyl, C_{1-3}alkoxy, $-CO_2H$, $-CO_2-C_{1-6}$ alkyl, and trifluoromethyl

where the alkyl and the cycloalkyl are unsubstituted or substituted with 1-7 substituents where the substituents are independently selected from: halo, hydroxy, $-O-C_{1-3}$alkyl, trifluoromethyl, C_{1-3}alkyl, $-O-C_{1-3}$alkyl, $-CO_2R^{20}$, $-SO_2R^{20}$, $-NHCOCH_3$, $-NHSO_2CH_3$, -heterocycle, =O, -CN,

and where the phenyl and heterocycle are unsubstituted or substituted with 1-3 substituents where the substituents are independently selected from: halo, hydroxy, C_{1-3}alkyl, C_{1-3}alkoxy and trifluoromethyl;

R^2 is selected from: hydrogen, C_{1-6}alkyl, trifluoromethyl, trifluoromethoxy, chloro, bromo, and phenyl;

R^3 is selected from: hydrogen, hydroxy, halo, C_{1-6}alkyl, $-O-C_{1-6}$alkyl, $-NR^{20}R^{21}$, $-NR^{20}CO_2R^{21}$, $-NR^{20}CONR^{20}R^{21}$, $-NR^{20}-SO_2-NR^{20}R^{21}$, $-NR^{20}-SO_2-R^{21}$, heterocycle, -CN, $-CONR^{20}R^{21}$, $-CO_2R^{20}$, $-NO_2$, $-S-R^{20}$, $-SO-R^{20}$, $-SO_2-R^{20}$, and $-SO_2-NR^{20}R^{21}$;

R^4 is selected from: hydrogen, C_{1-6}alkyl, trifluoromethyl, trifluoromethoxy, chloro, bromo, and phenyl;

R^5 is selected from: C_{1-6}alkyl substituted with 1-6 fluoro and optionally substituted with hydroxyl, $-O-C_{1-6}$alkyl substituted with 1-6 fluoro, $-CO-C_{1-6}$alkyl substituted with 1-6 fluoro, $-S-C_{1-6}$alkyl, -pyridyl, fluoro, chloro, bromo, and phenyl;

R^6 is selected from: hydrogen, C_{1-6}alkyl, trifluoromethyl, trifluoromethoxy, chloro, bromo, and phenyl;

R^7 is selected from: hydrogen, C_{1-6}alkyl, and trifluoromethyl;

R^8 is selected from: hydrogen, C_{1-6}alkyl, where alkyl may be unsubstituted or substituted with 1-6 substituents where the substituents are chosen from the group: fluoro,

C_{1-3}alkoxy, hydroxy, $-CO_2R^{20}$, fluoro, -O-C_{1-3}alkyl, where alkyl may be unsubstituted or substituted with 1-3 fluoro, and C_{3-6} cycloalkyl, -O-C_{3-6}cycloalkyl, hydroxy, $-CO_2R^{20}$, $-OCOR^{20}$, phenyl,

or R^7 and R^8 may be joined together via a C_{2-4}alkyl or a C_{0-2}alkyl-O-C_{1-3}alkyl chain to form a 5-7 membered ring;

R^9 is selected from: hydrogen, C_{1-6}alkyl, where alkyl may be unsubstituted or substituted with 1-6 substituents where the substituents are chosen from the group: fluoro, C_{1-3}alkoxy, hydroxy, $-CO_2R^{20}$, CO_2R^{20}, hydroxy, and -O-C_{1-6}alkyl, where alkyl may be unsubstituted or substituted with 1-6 substituents where the substituents are chosen from the group: fluoro, C_{1-3}alkoxy, hydroxy, $-CO_2R^{20}$,

or R^8 and R^9 may be joined together by a C_{1-4}alkyl chain or a C_{0-3}alkyl-O-C_{0-3}alkyl chain to form a 3-6 membered ring;

R^{10} is selected from: hydrogen, and C_{1-6}alkyl, where alkyl may be unsubstituted or substituted with 1-6 fluoro, fluoro, -O-C_{3-6}cycloalkyl, and -O-C_{1-3}alkyl, where alkyl may be unsubstituted or substituted with 1-6 fluoro,

or R^8 and R^{10} may be joined together by a C_{1-3}alkyl chain or a single bond to form a 3-6 membered ring; where the alkyl are unsubstituted or substituted with 1-3 substituents where the substiuents are independently selected from: halo, hydroxy, $-CO_2R^{20}$, C_{1-3}alkyl, and C_{1-3}alkoxy,

or R^8 and R^{10} may be joined together by a C_{1-2}alkyl-O-C_{1-2}alkyl chain to form a 6-8 membered ring, where the alkyl are unsubstituted or substituted with 1-3 substituents where the substiuents are independently selected from: halo, hydroxy, $-CO_2R^{20}$, C_{1-3}alkyl, and C_{1-3}alkoxy,

or R^8 and R^{10} may be joined together by a –O-C_{1-2}alkyl-O- chain to form a 6-7 membered ring, where the alkyl are unsubstituted or substituted with 1-3 substituents where the substiuents are independently selected from: halo, hydroxy, $-CO_2R^{20}$, C_{1-3}alkyl, and C_{1-3}alkoxy;

R^{11} is selected from: hydrogen, C_{1-6}alkyl, and trifluoromethyl;

R^{27} and R^{28} are independently selected from: =O, where R^{27} , R^{28} , or both, is oxygen and is connected via a double bond, hydrogen, phenyl, and C_{1-6}alkyl which may be substituted or unsubstituted with 1-6 of the following substituents: $-COR^{11}$, hydroxy, fluoro, chloro, $-O-C_{1-3}$alkyl;

R^{29}, R^{30}, and R^{31} are independently selected from: hydrogen, methyl, hydroxyl, trifluoromethyl, methoxy, and trifluoromethoxy;

or R^{29} and R^9 are connected by a C_{1-3}alkyl bridge;

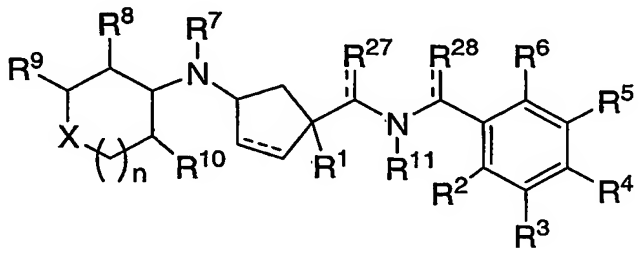
m is selected from 0, 1, and 2;

n is selected from 0, 1 and 2;

the dashed line represents a single or a double bond;

and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

2. The compound of Claim 1 of the formula Ia:



Ia

and pharmaceutically acceptable salts and individual diastereomers thereof.

3. The compound of Claim 1 wherein:

X is selected from the group consisting of: -O-, and $-CH_2-$.

4. The compound of Claim 1 wherein X is -O-.

5. The compound of Claim 1 wherein R^1 is selected from:

(1) $-C_{1-6}$alkyl, which is unsubstituted or substituted with 1-6 substituents where the substituents are independently selected from: halo, hydroxy, $-O-C_{1-3}$alkyl, and trifluoromethyl,

(2) -C_{0-6}alkyl-O-C_{1-6}alkyl-, which is unsubstituted or substituted with 1-6 substituents where the substituents are independently selected from: halo, and trifluoromethyl,

(3) -C_{0-6}alkyl-S-C_{1-6}alkyl-, which is unsubstituted or substituted with 1-6 substituents where the substituents are independently selected from: halo, and trifluoromethyl,

(4) -(C_{3-5}cycloalkyl)-(C_{0-6}alkyl), which is unsubstituted or substituted with 1-7 substituents where the substituents are independently selected from: halo, hydroxy, -O-C_{1-3}alkyl, and trifluoromethyl.

6. The compound of Claim 1 wherein R^1 is C_{1-6}alkyl which is unsubstituted or substituted with 1-5 substituents where the substituents are independently selected from: hydroxy, and fluoro.

7. The compound of Claim 1 wherein:
R^1 is selected from: isopropyl, -CH(OH)CH_3, and -CH_2CF_3.

8. The compound of Claim 1 wherein:
R^2 is selected from: hydrogen, hydroxy, trifluoromethyl.

9. The compound of Claim 1 wherein:
R^2 is selected from: hydrogen, and hydroxy.

10. The compound of Claim 1 wherein:
R^3 is selected from: C_{1-6}alkyl unsubstituted or substituted with 1-6 fluoro, fluoro, chloro, bromo.

11. The compound of Claim 1 wherein:
In the present invention it is more preferred that R^3 is selected from: trifluromethyl, cyclopropyl, fluoro.

12. The compound of Claim 1 wherein:
R^5 is selected from: C_{1-6}alkyl unsubstituted or substituted with 1-6 fluoro, fluoro, chloro, bromo.

13. The compound of Claim 1 wherein:
R^5 is selected from: trifluromethyl, cyclopropyl, and fluoro.

14. The compound of Claim 1 wherein:
R^5 is trifluoromethyl.

15. The compound of Claim 1 wherein R^6 is hydrogen.

16. The compound of Claim 1 wherein R^7 is hydrogen.

17. The compound of Claim 1 wherein R^8 is selected from: hydrogen, C_{1-3}alkyl, which is unsubstituted or substituted with 1-6 fluoro, -O-C_{1-3}alkyl, fluoro, and hydroxy.

18. The compound of Claim 1 wherein R^8 is selected from: hydrogen, methyl, ethyl, trifluoromethyl, fluoro, and -O-CH_3.

19. The compound of Claim 1 wherein R^9 is hydrogen and R^{10} is hydrogen.

20. The compound of Claim 1 wherein R^8 and R^{10} are joined together by a -CH_2CH_2- chain or a -$CH_2CH_2CH_2$- chain to form a cyclopentyl ring or a cyclohexyl ring.

21. The compound of Claim 1 wherein R^{27} is =O, where R^{27} is oxygen and is connected via a double bond.

22. The compound of Claim 1 wherein R^9 and R^{29} are joined together by a C_{1-3}alkyl chain to form a ring.

23. The compound of Claim 1 wherein R^{29} is hydrogen, R^{30} is hydrogen, and R^{31} is hydrogen.

24. A compound which is selected from the group consisting of the title compounds of the Examples, and pharmaceutically acceptable salts and individual diastereomers thereof.

25. A pharmaceutical composition which comprises an inert carrier and a compound of Claim 1.

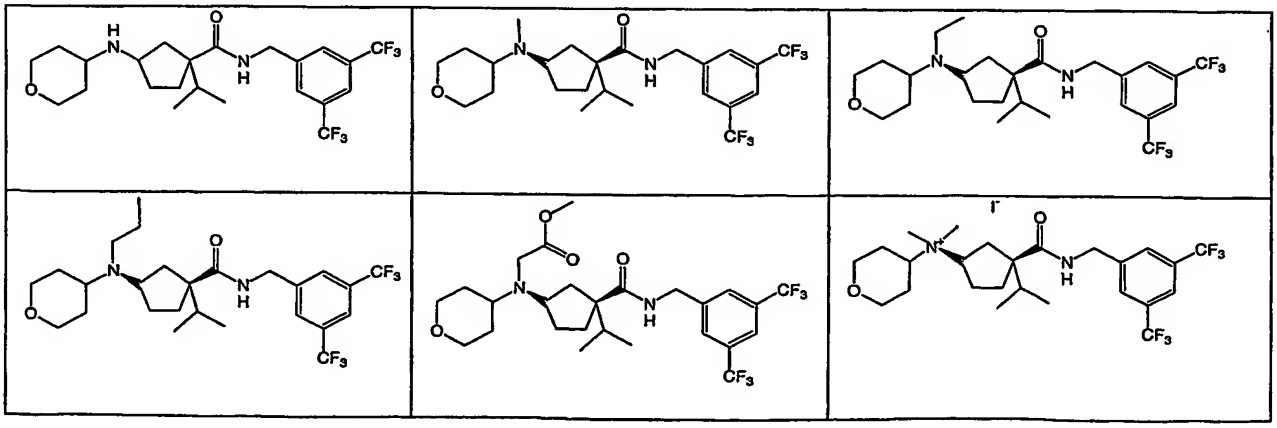
26. A method for modulation of chemokine receptor activity in a mammal in need thereof which comprises the administration of an effective amount of the compound of Claim 1.

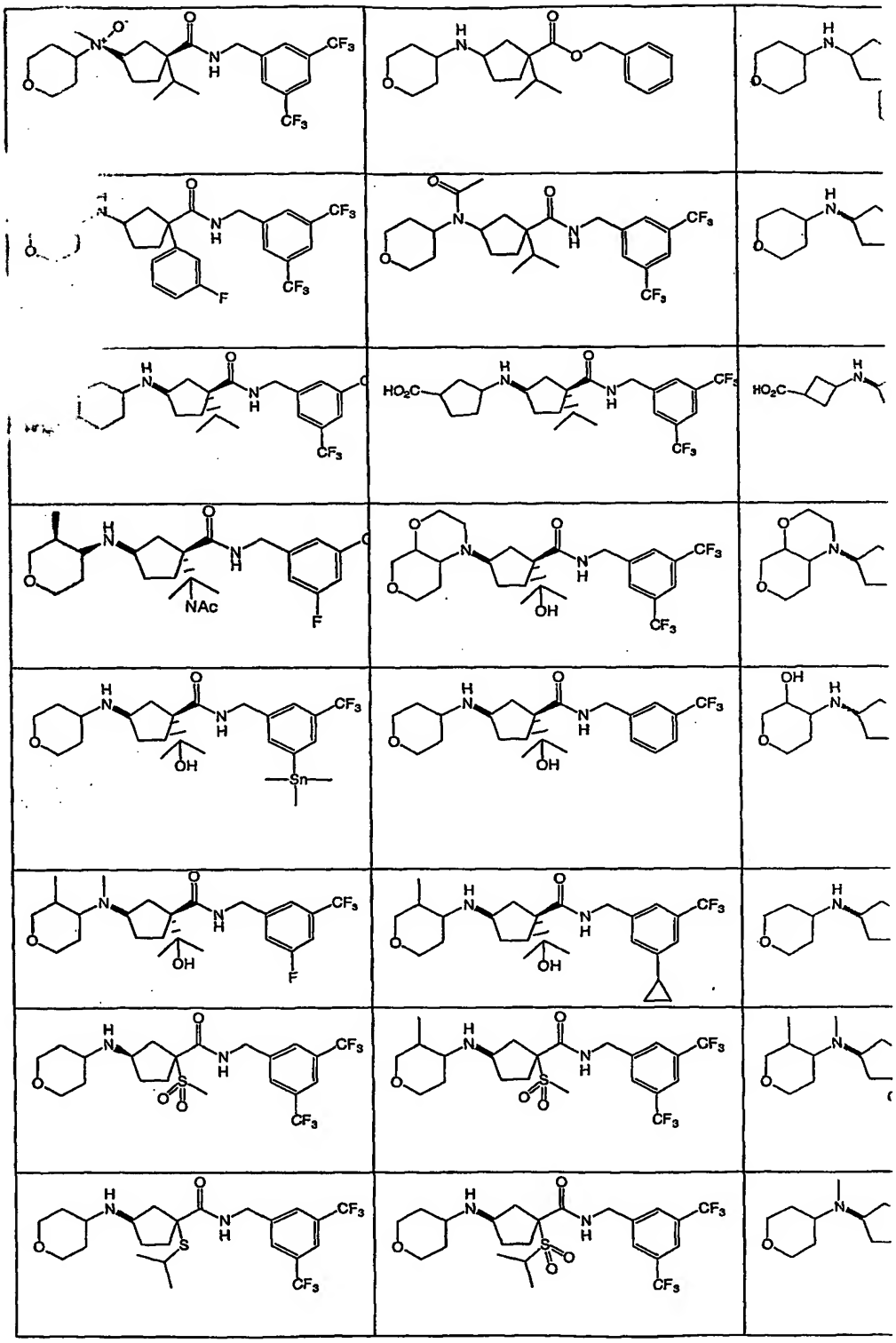
27. A method for treating, ameliorating or controlling an inflammatory or immunoregulatory disorder or disease which comprises administering to a patient in need thereof an effective amount of the compound of Claim 1.

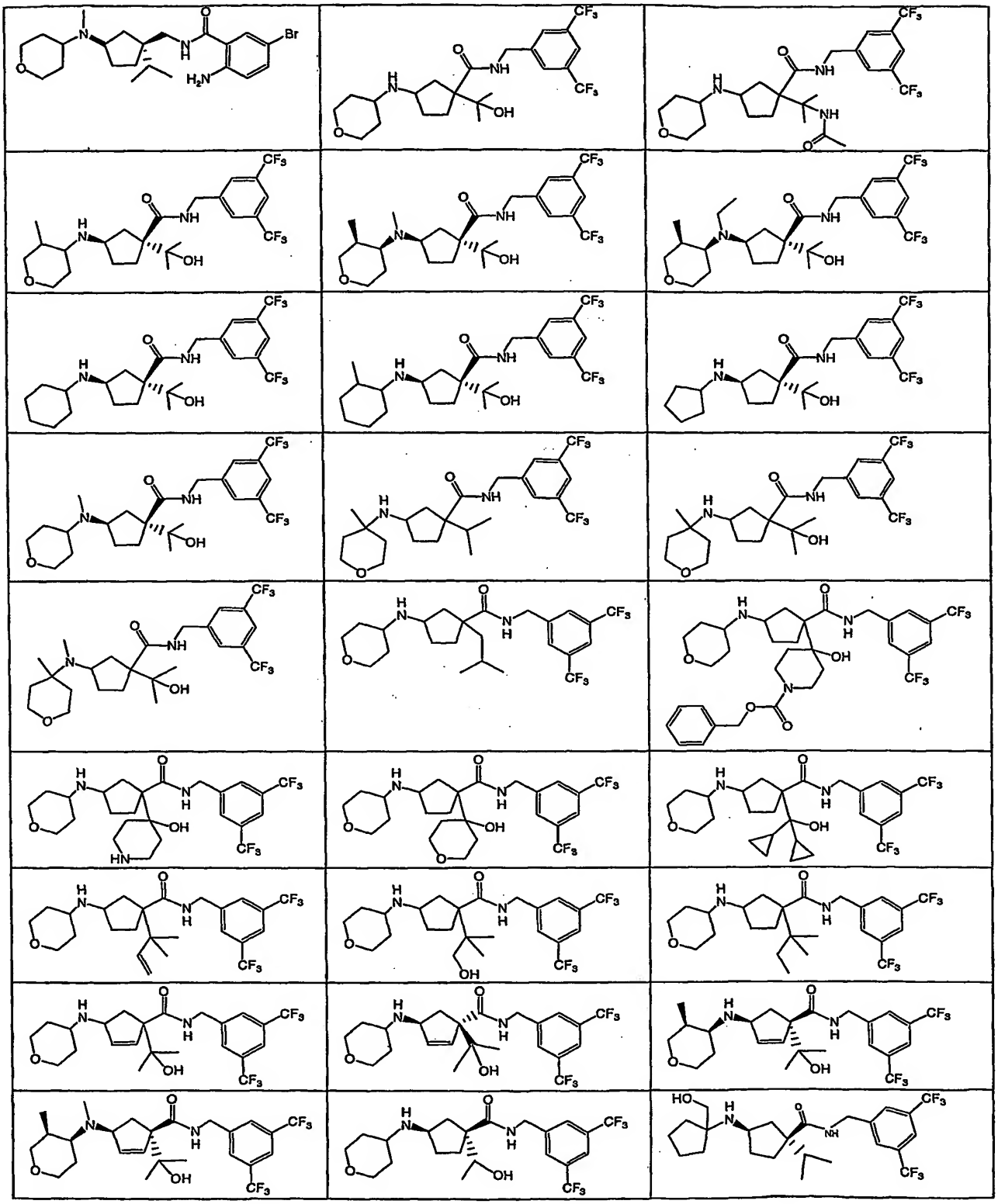
28. A method for reducing the risk of an inflammatory or immunoregulatory disorder or disease which comprises administering to a patient in need thereof an effective amount of the compound of Claim 1.

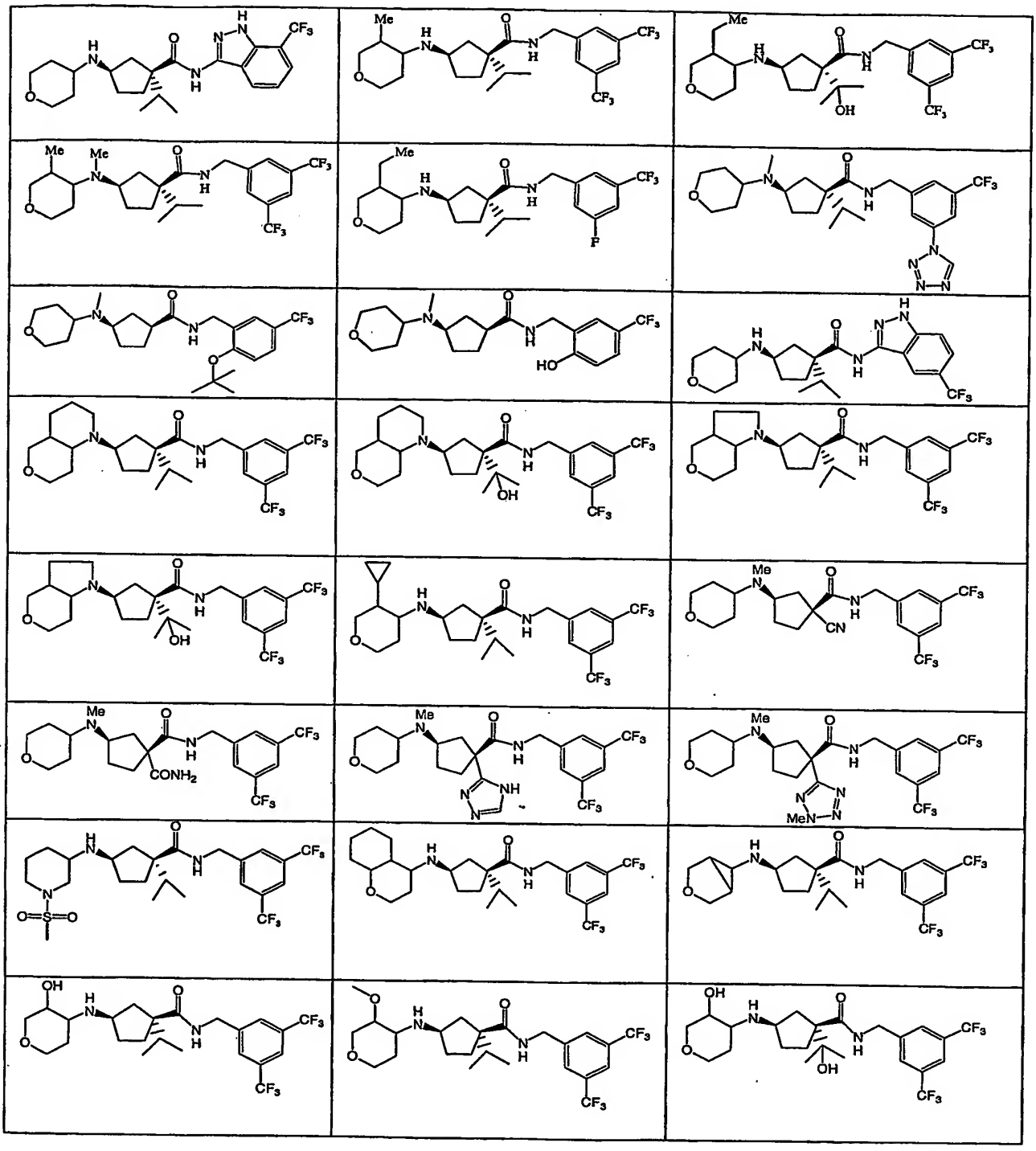
29. A method for treating, ameliorating or controlling rheumatoid arthritis which comprises administering to a patient in need thereof an effective amount of the compound of Claim 1.

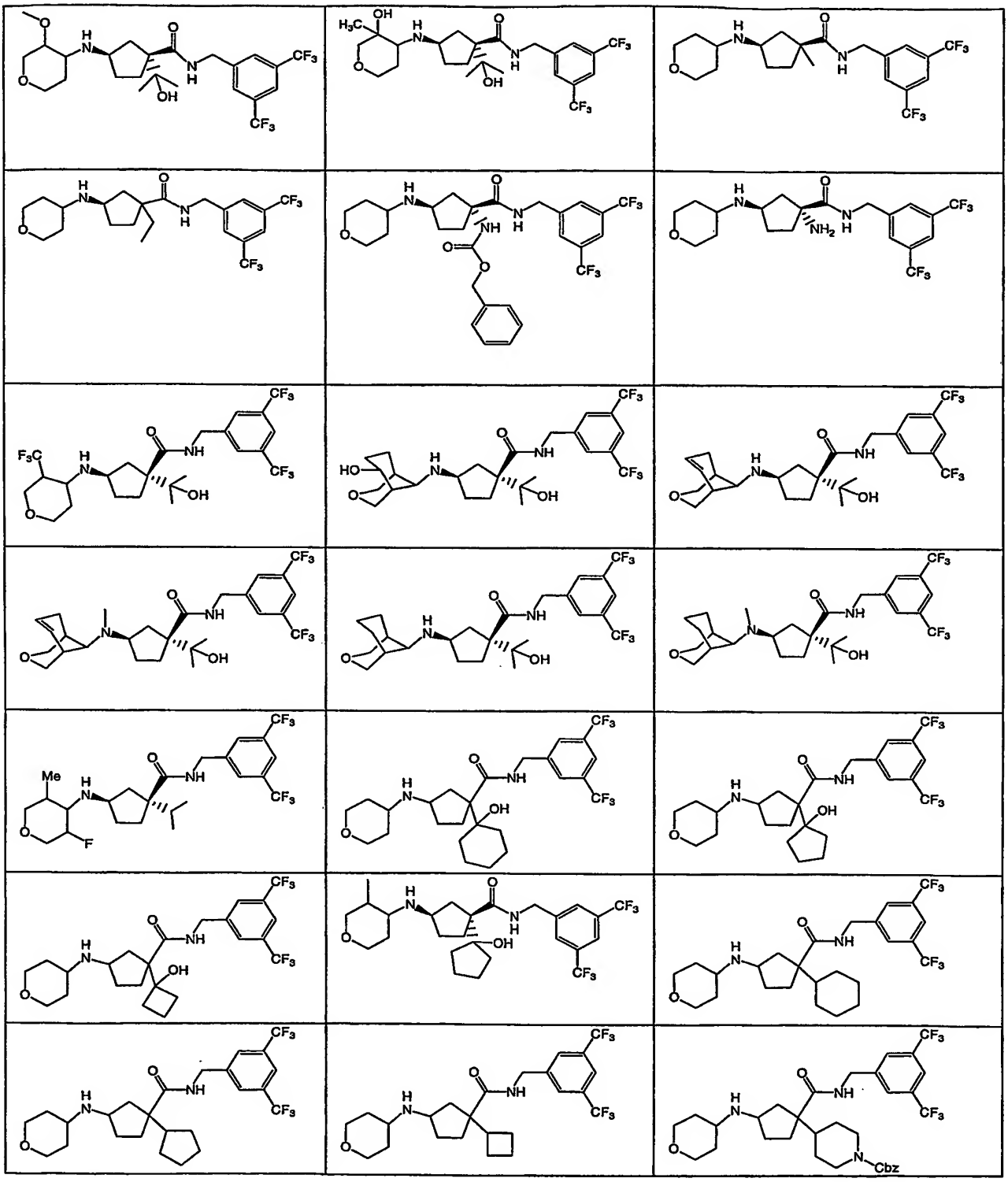
30. A compound which is selected from the group consisting of:

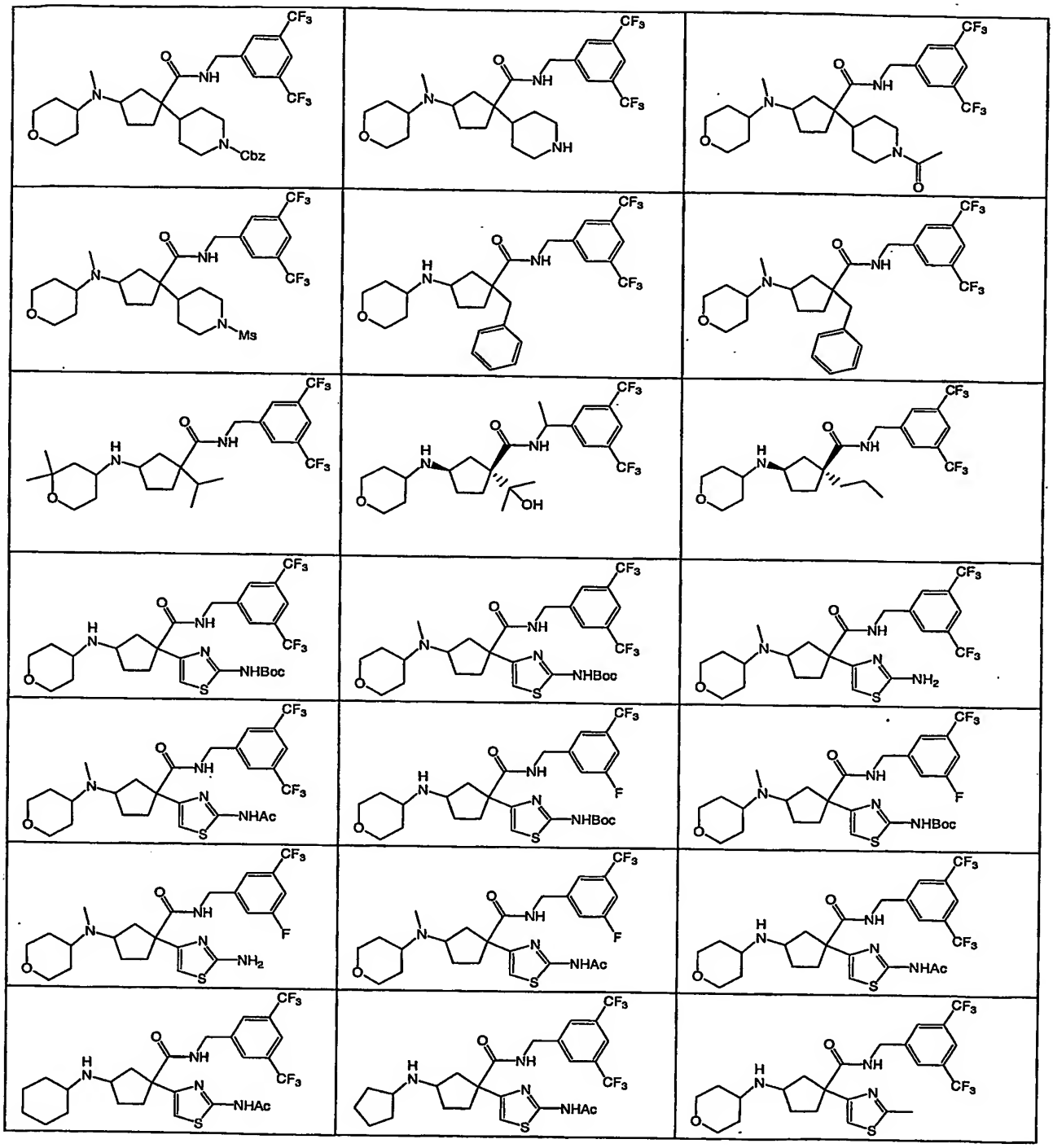


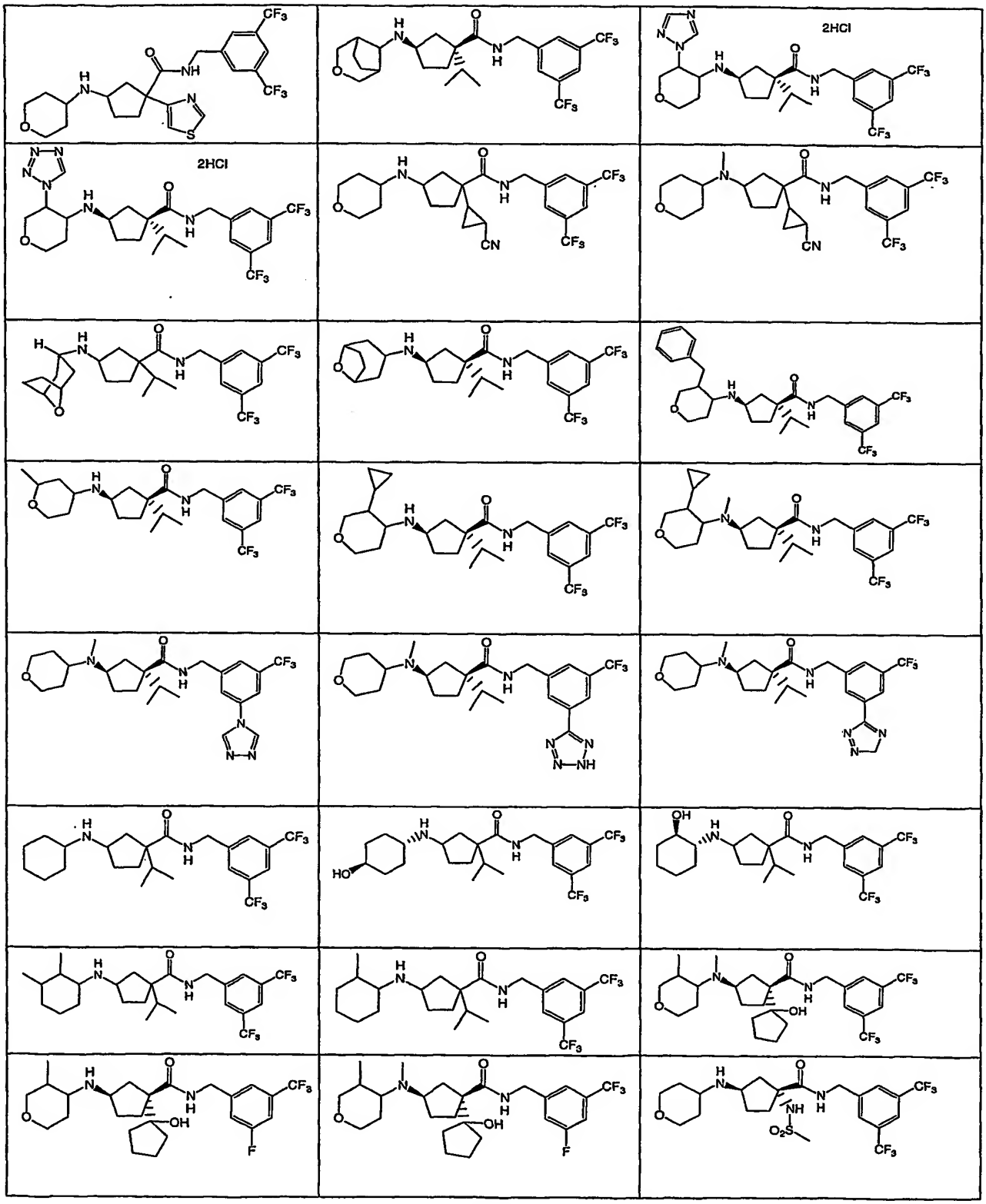


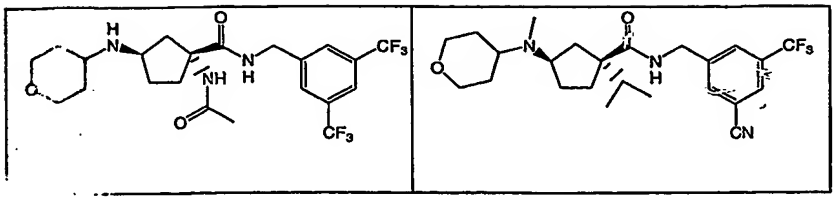






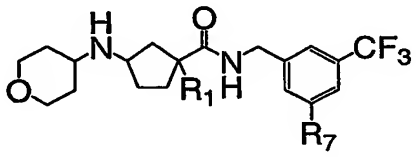

CF3
O
NH
N
Cbz
NH
Ms
H
OH
NHBoc
NH2
NHAc
F


2HCl
2HCl

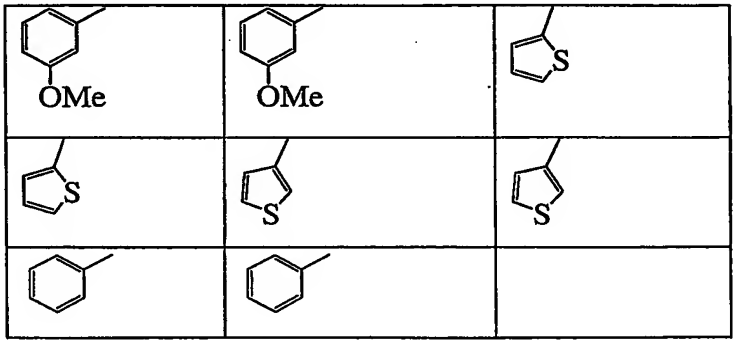


and pharmaceutically acceptable salts thereof and individual diastercomers thereof.

31. A compound of the formula:

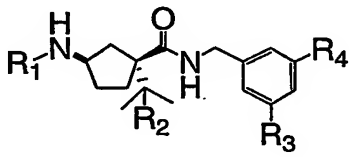


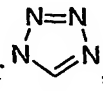
wherein R_7 is F or CF_3, and wherein R_1 is selected from:

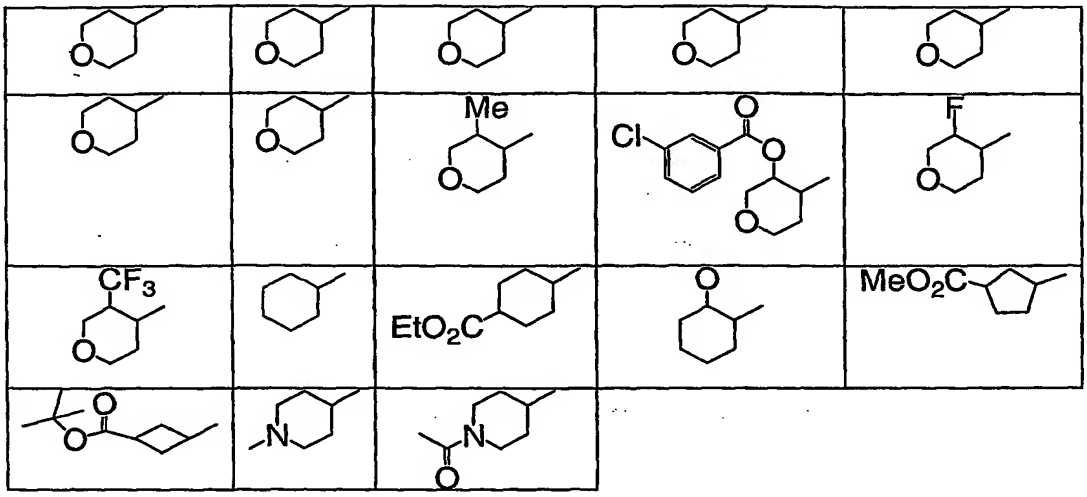


and pharmaceutically acceptable salts thereof and individual diastercomers thereof.

32. A compound of the formula:

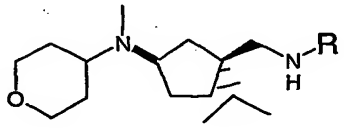


wherein R_2 is H or OH, wherein R_3 is F or CF_3, wherein R_4 is CF_3, Ph, OCF_3, Cl, or  , and wherein R_1 is selected from:

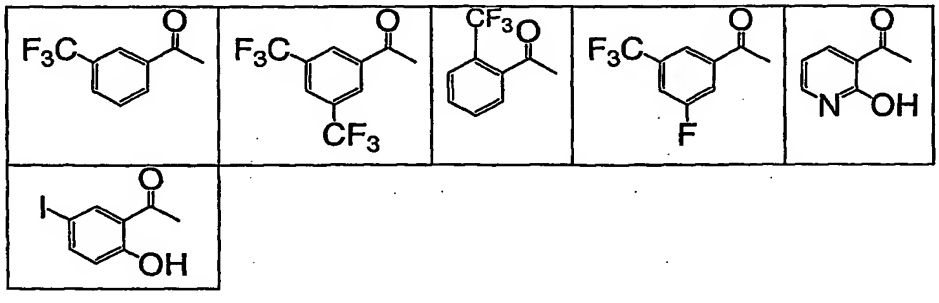


and pharmaceutically acceptable salts thereof and individual diastercomers thereof.

33. A compound of the formula:

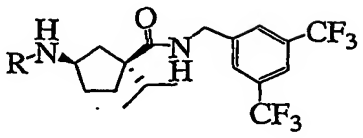


wherein R is selected from:

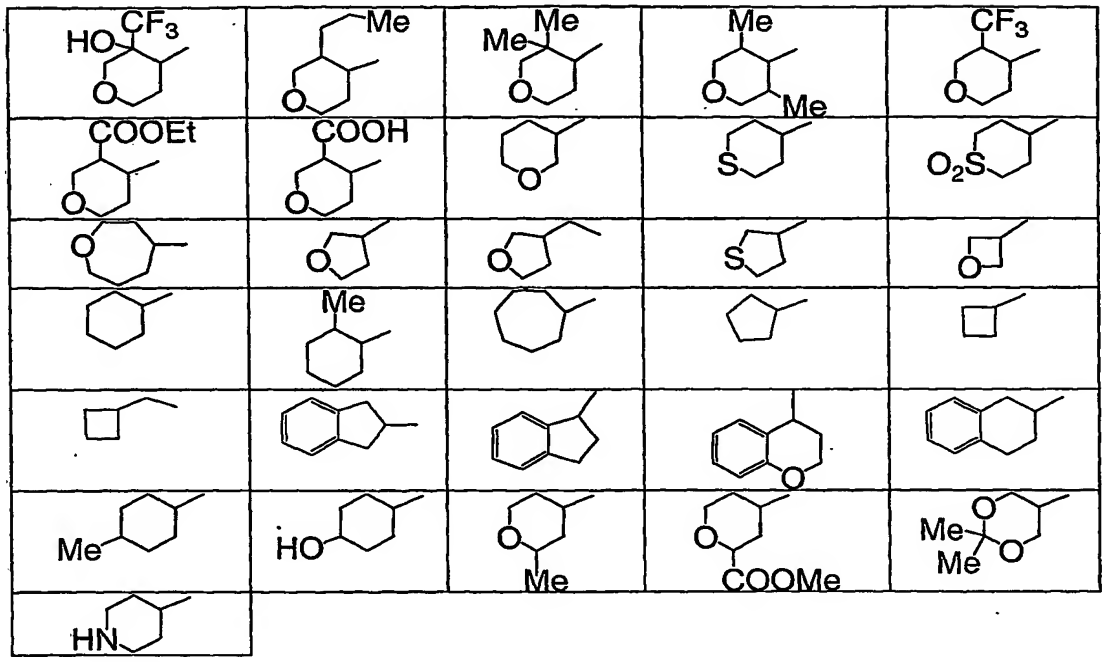


and pharmaceutically acceptable salts thereof and individual diastercomers thereof.

34. A compound of the formula:

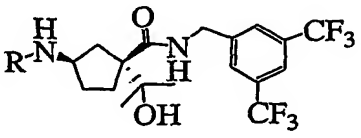


wherein R is selected from:

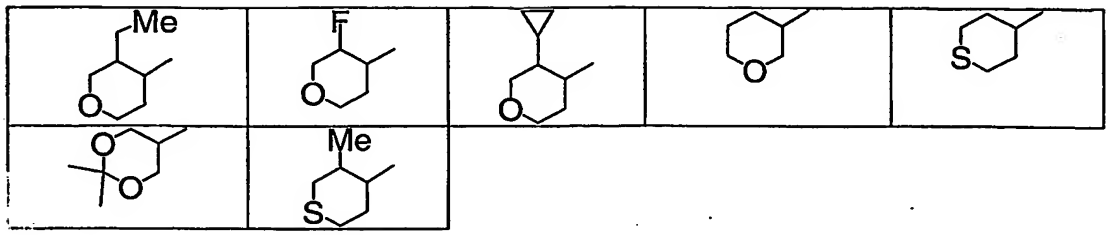


and pharmaceutically acceptable salts thereof and individual diastercomers thereof.

35. A compound of the formula:

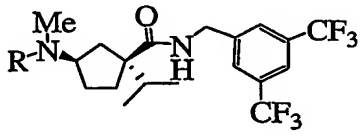


wherein R is selected from:

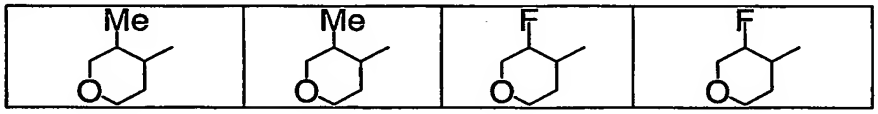


and pharmaceutically acceptable salts thereof and individual diastercomers thereof.

36. A compound of the formula:



wherein R is selected from:



and pharmaceutically acceptable salts thereof and individual diastercomers thereof.